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**SEDIMENT SAMPLING  
U.S. DOE FERNALD  
OH6 890 008 976**

**06/07/89**

**USEPA/DOE-FSO  
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LETTER**

2439



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

230 SOUTH DEARBORN ST.

CHICAGO, ILLINOIS 60604

REPLY TO THE ATTENTION OF:

JUN 07 1989

5HR-12

Mr. James A. Reafsnyder  
United States Department of Energy  
P.O. Box 398705  
Cincinnati, Ohio 45239-8705

Re: Sediment Sampling  
U.S. DOE-Fernald  
OH6 890 008 976

Dear Mr. Reafsnyder:

On April 12, 1989, the United States Department of Energy (U.S. DOE) submitted results of Paddy's Run sediment sampling to the United States Environmental Protection Agency (U.S. EPA). As discussed in our May 2, 1989, meeting, the U.S. EPA and the Ohio Environmental Protection Agency (OEPA) have reviewed this data and have the following comments:

1. All historic sediment sampling data (Environmental Monitoring Report, etc.) from Paddys Run and the stormwater outfall ditch should be consolidated and reviewed as part of the Remedial Investigation (RI) for operable units #5 and #6. All radiological parameters should be compiled and submitted to U.S. EPA and OEPA. Key parameters are uranium, thorium, radium, and technetium; the April 12th submission only addressed uranium.
2. Based on information submitted, there appears to be a lack of sampling at depths both on-site and off-site. The primary areas of concern are the on-site and off-site Paddys Run area that is contributing or has contributed to groundwater contamination in the south plume, Paddys Run adjacent to the K-65 silos and waste pits, and the stormwater outfall ditch.
3. It appears that the radiological parameters stated above have not been fully addressed during previous sampling. If this

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sampling has occurred, results should be included with submissions to U.S. EPA and OEPA.

Please contact me at (312) or FTS 886-4436, if there are any questions.

Sincerely,



Catherine A. McCord  
Remedial Project Manager

cc: Graham Mitchell, OEPA-SWDO  
Maury Walsh, OEPA-CO  
Michael Starkey, OEPA-SWDO  
Grover Smithwick, U.S. DOE - ORO  
Kitty Taimi, U.S. DOE - HDQ  
Bruce Boswell, Westinghouse